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(56) Documents Cited

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Field of Search

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#### **Abstract Title**

### Bottle closure with push-button operated valve

(57) A bottle closure 2 for a bottle 1 has a water outlet 21, closable by a self-closing valve 228, 229, 211 which is operated with a push-button 231. The button has a stem 231 which is arranged perpendicularly to the valve stem 226. When the button is pressed, a slanted end 234 of the button stem 231 presses upon a slanted surface 223 of the valve stem 226, thus moving it downwards thereby opening the valve. The button also has biassing means 233 which automatically returns the button to the released state when it is no longer pressed. The button stem 231 and the valve stem 226 are housed in chambers 22, 23 respectively, and the chambers join one another where the slant surfaces 223, 234 engage. The closure also has a bottle cap 3 with a cover portion 31, which is pivotably attached to the closure at a hinge 32, where there is also another biassing means 33. The closure is attached to the bottle neck by a screw-thread 11. There may be a seat 12 in the bottle neck against which rests against a flange 25 in the closure 2 when it is screwed on. The valve may consist of a seat 228 and a guide rod 226, and a seal 229 which rests against the edge of the valve opening 211 in the closed state. The valve may also have biassing means 227 which holds the valve closed when the button 231 is not pressed.

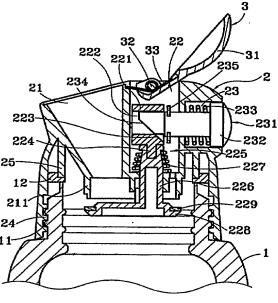
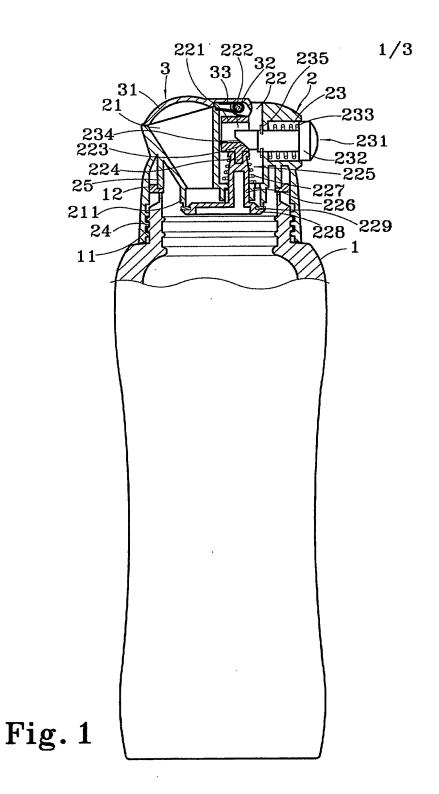


Fig. 3



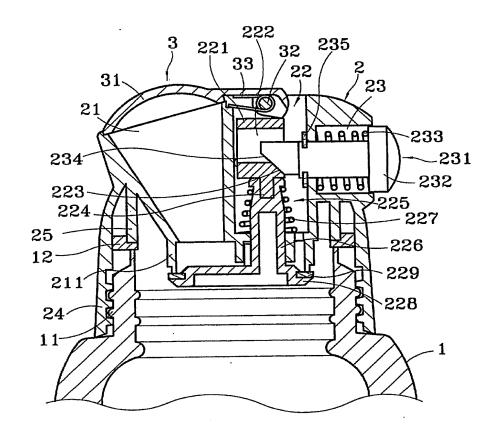


Fig. 2

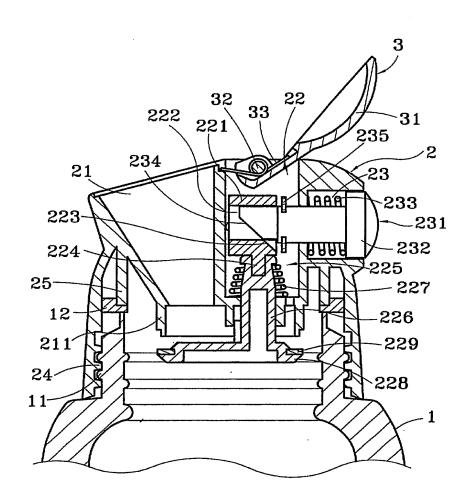


Fig. 3